



Wireless N Adapter RNX-MiniN1

Quick Installation Guide



Chapter 1 Overview

Thank you for choosing Rosewill's 802.11n Wireless USB adapter – RNX-MININ1. This chapter is to introduce you more about this Wireless Adapter.

1.1 Package Content

Before getting started, please verify that your package includes the following items:

1. Rosewill 802.11n Wireless USB Adapter x 1
2. Quick Installation Guide x 1
3. Resource CD x 1, including:
 - Rosewill Wireless N Client Utility and Driver
 - User Manual

Note:

Make sure that the package contains the above items. If any of the listed items are damaged or missing, please contact with your distributor.

1.2 Overview of the Product

The adapter is an 802.11n client device; it is designed to provide a high-speed and unrivaled wireless performance for your computer or notebook. With a faster wireless connection, you can get a better Internet experience, such as downloading, gaming, video streaming and so on.

With the 802.11n technology, the RNX-MININ1 allows high packet transfer rate of up to 150Mbps for maximum download throughput. It can also interoperate with other wireless (802.11b, 802.11g). The adapter supports WEP, WPA and WPA2 encryption to prevent outside intrusion and protect your personal information from being exposed.

The adapter is easy to install and manage. The Quick Setup guides you step-by-step through the installation process; the Rosewill Wireless N Client Utility helps you create a wireless connection immediately.

With unmatched wireless performance, reception, and security protection, the RNX-MININ1 is also designed to be one of the smallest size wireless adapter so you can use without any interference. It is the best choice for easily adding or upgrading wireless connectivity to your notebook and computer.

1.3 Features

- Comply with IEEE 802.11b/g/n standards with up to 150Mbps data transfer speed.
- Ultra-Nano size design with USB 2.0/1.1 interface.
- Supports QoS Enhancement (WMM) for multimedia applications' smoothness
- High level of security with Wireless encryption of 64/128-bit WEP, WPA, WPA2, and

IEEE802.1x functions.

- Runs under most popular operating systems: Windows XP/Vista/7 (32/64 bits), Mac OS X and more.
- Supports Software WPS (WiFi Protected Setup) connection.
- Green Energy Saving: supports auto transmit power adjustment and idle energy auto control.

1.4 Product Specification

Chipset	Realtek RTL8188CUS
Standard	IEEE 802.11b/g/n; IEEE 802.11e QoS Enhancement (WMM); IEEE 802.11h TPC, Spectrum Measurement
Bus Type	USB 2.0 Type A
Frequency Band	2.4000~2.4835GHz (Industrial Scientific Medical Band)
Data Rate	11b: 1/2/5.5/11Mbps; 11g: 6/9/12/24/36/48/54Mbps 11n (20MHz): MCS0-7, up to 72Mbps 11n (40MHz): MCS0-7, up to 150Mbps
Output Power	11b: 17±1.5dBm , 11g: 15±1.5dBm, 11n: 14±1.5dBm
Receive Sensitivity	11b@11Mbps: -81±2dBm; 11g@54Mbps: -71±2dBm 11n(20MHz)@MCS7: -68±2dBm; 11n(40MHz)@MCS7: -64±2dBm
Security	WEP 64/128, WPA, WPA2 and IEEE 802.1x
Antenna	Internal Antenna (1T1R)
OS support	Windows XP/Vista/7; Linux Kernel 2.6.x; Mac OS X 10.4~10.6
Dimension	0.7" x 0.2" x 0.5" (18 x 6 x 14 mm)
Temperature	Operating: 32~104°F (0~40°C); Storage: -4~140°F (-20~60°C)
Humidity	Operating: 10~90% (Non-Condensing); Storage: Max. 95% (Non-Condensing)

1.5 System Requirement

You must have at least the following

- A laptop computer/desktop PC with an available USB port
- At least a 300MHz processor and 32MB of memory
- Windows OS for Win98SE, ME, 2000, XP, Vista, 7 or Mac OS X 10.4~10.6
- A CD-ROM Drive
- USB controller properly installed and working in the computer
- A 802.11n 、802.11g or 802.11b Wireless Access Point/Router (for infrastructure Mode) or another 802.11n 、802.11g or 802.11b wireless adapter (for Ad-Hoc; Peer-to-Peer networking mode).

Chapter 2 Installation Guide

2.1 Hardware Installation

- Please first insert the RNX-MiniN1 into your PC or NB USB slot.

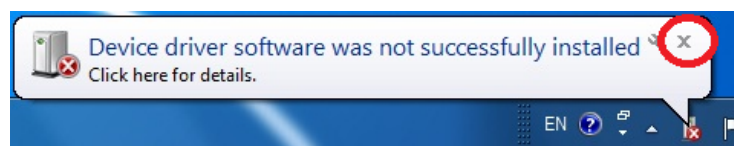
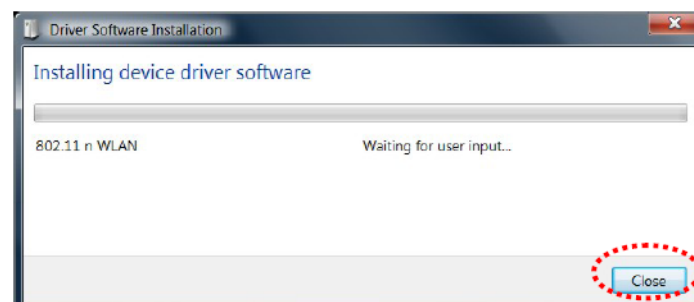


- If the following window popup, please click Cancel or Close:

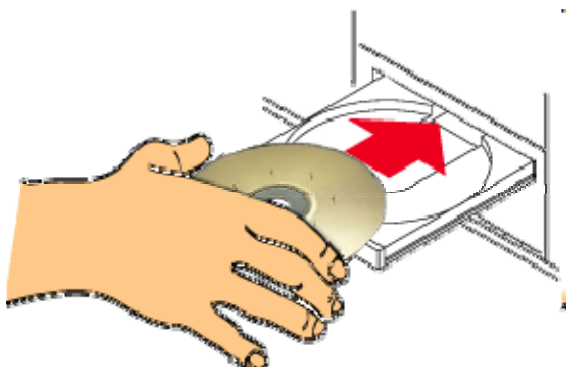
- Under Win XP



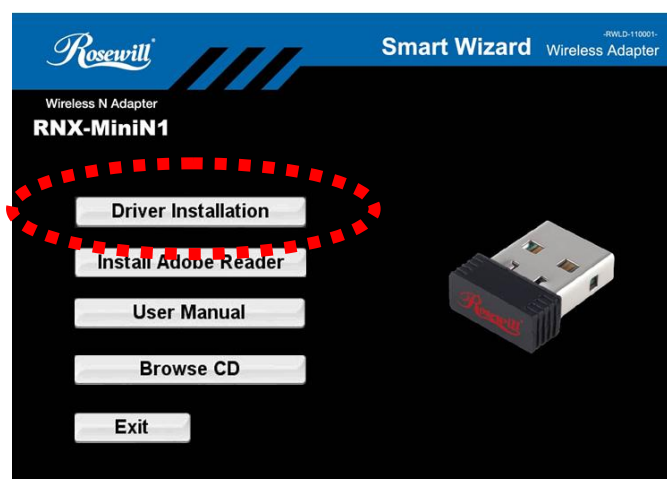
- Under Windows Vista/Win7



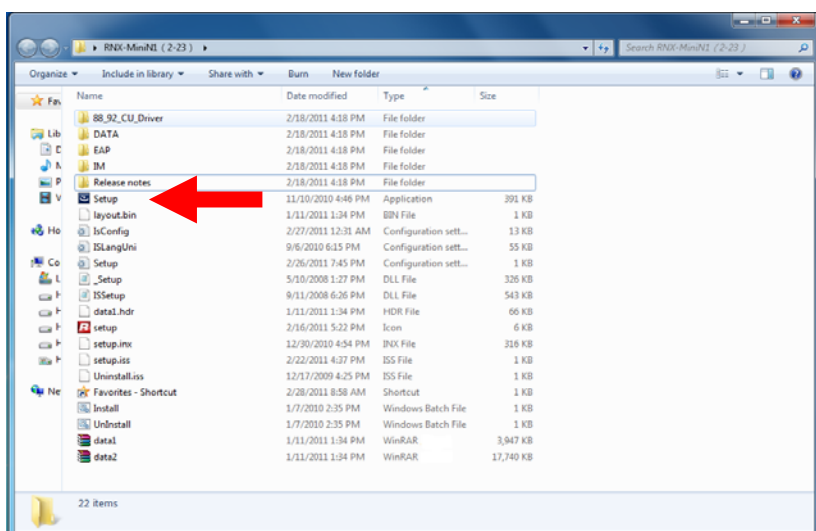
2.2 Installation using Driver CD:



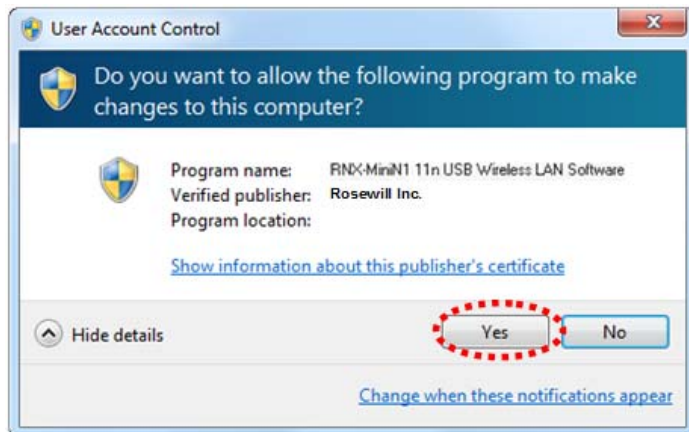
Please insert the CD into your CD-rom drive



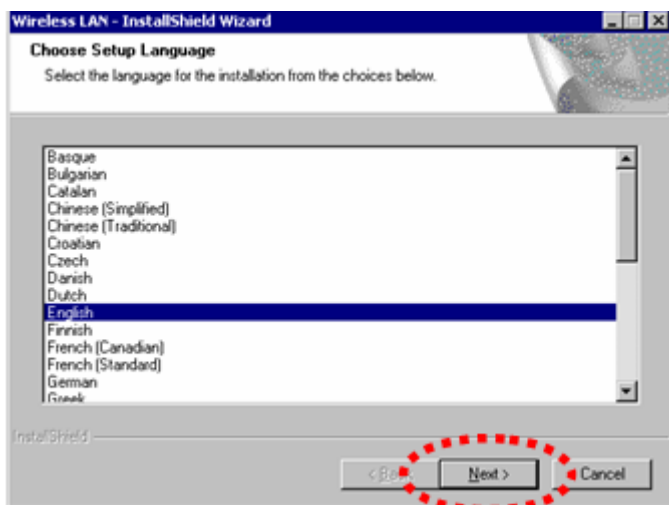
Click on the “**Driver Installation**” option when the Smart Wizard page popup.



If the program didn't run automatically, please double click on the **Setup.exe** in the CD to start the process.



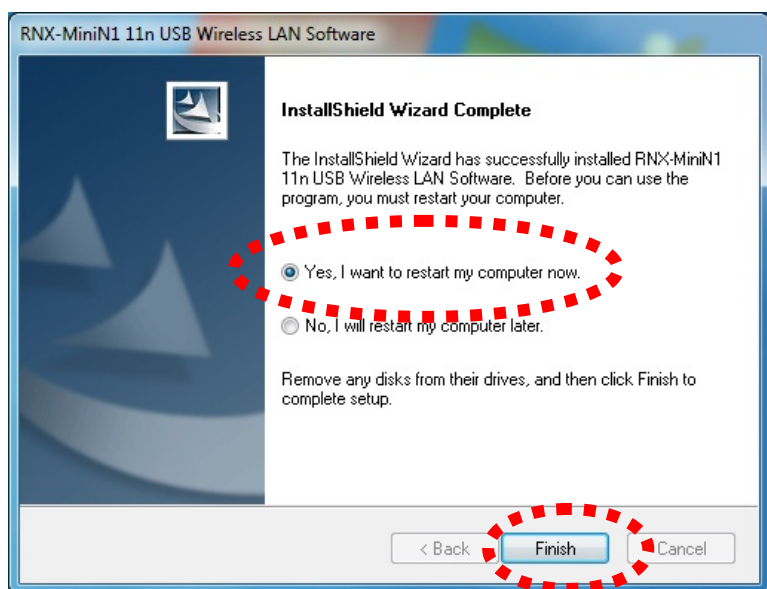
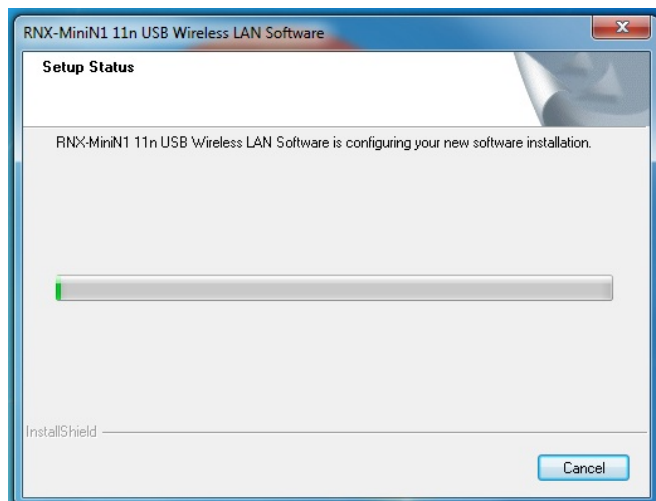
Click **Yes** if the following window popup



For WinXP, you may need to select your desired Language of installtion. For Win7, the program will uses your current language as default setting.



Select **Next**.



Select **“Yes, I want to restart my computer now.”** Then click **Finish**.

Upon restart, your installation is now ready.

if you see below window popup, please select **install this driver software anyway**.

Win7



Win XP



Chapter 3 Wireless Connection Guide


This chapter describes how to configure your Adapter for wireless connectivity on your Wireless Local Area Network (WLAN) and use the data security encryption features.

After Installing the Adapter, the Adapter's tray icon will appear in your system tray. It appears at the bottom of the screen, and shows the signal strength using color and the received signal strength indication (RSSI).

In the following instruction for making a network connection, we use the provided Utility to configure your wireless network settings.

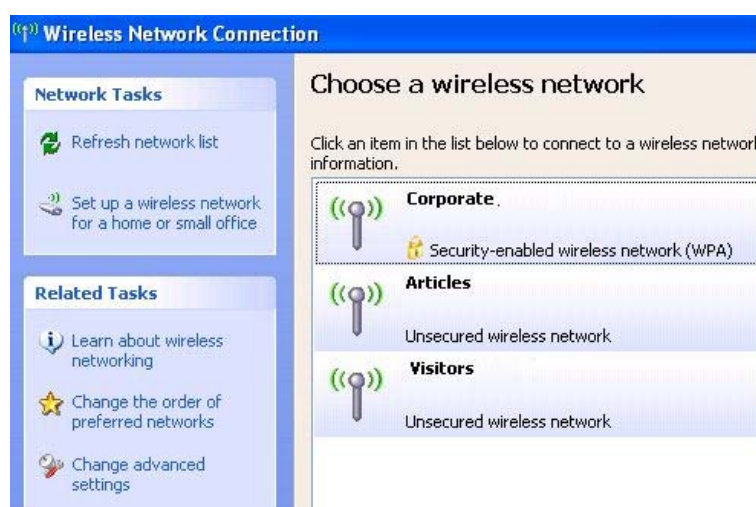
Note: You could use either the software we provide or Microsoft Zero Configuration tool to configure this adapter.

3.1 Connecting with Microsoft Zero Configuration tool (Win XP)

- After specifying the Microsoft Zero Configuration tool to configure your wireless network, right click on the  icon on system tray. Select "**View Available Wireless Networks**" to specify your wireless network.

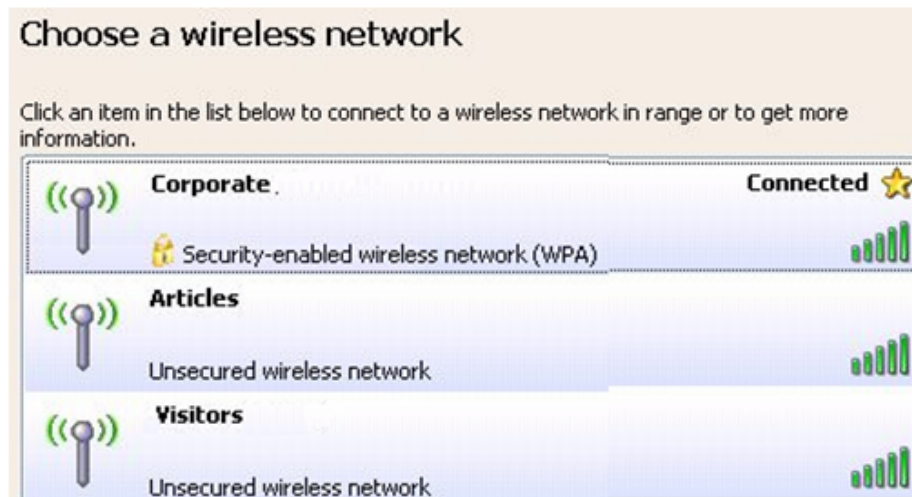


- The tool shows the available wireless networks. Select your demanding network to connect with.



- If prompted, enter the password/network key for your wireless network and click the

Connect button.



3.2 Connecting with Window 7

You can easily access to wireless with Win7. First, move your mouse to lower right hand corner as below and click on the icon where arrow pointing to.



Click **Refresh** to get an update of your Wireless Network Connection. This should help you search the SSID of the network you want to connect to.



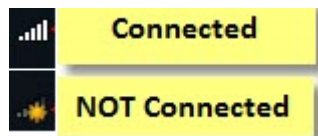
Select your desired SSID, then Click “Connect”.



You will be prompt to ask you entering the network security key. Once entered, please click OK to complete.

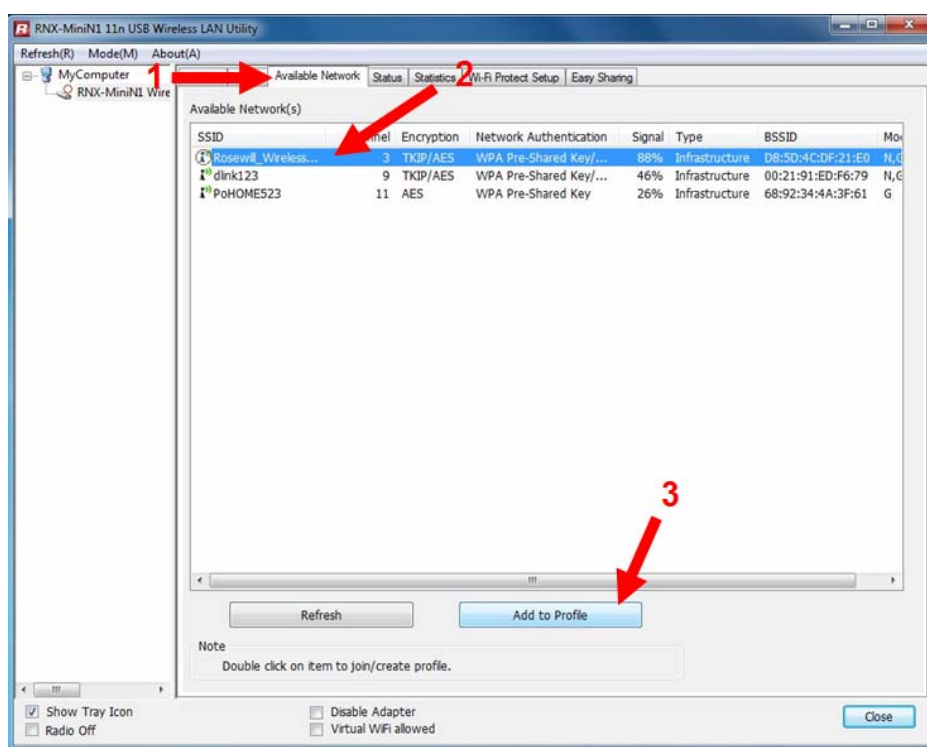


You should see below in a very short period and find out whether you are connected or now.



3.3 Connecting with Rosewill Wireless Utility

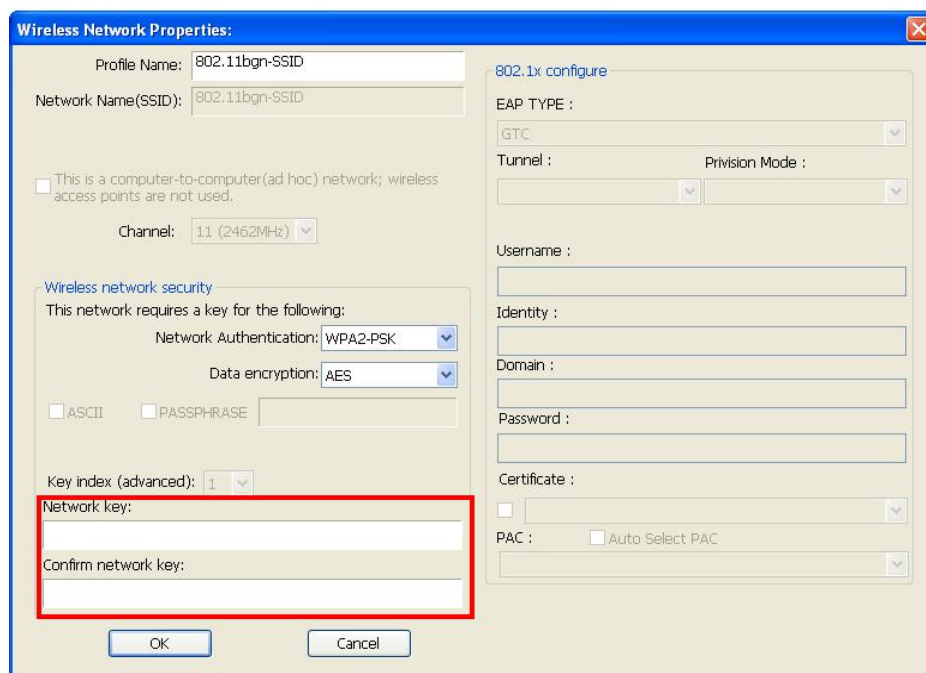
We also provide this Utility for users to connect to a wireless network easily. It provides more information and configuration for this adapter. As default, the Utility is started automatically upon starting your computer and connects to a connectable wireless network with best signal strength and with no security setting.



1. First Select the **Available Network** option:

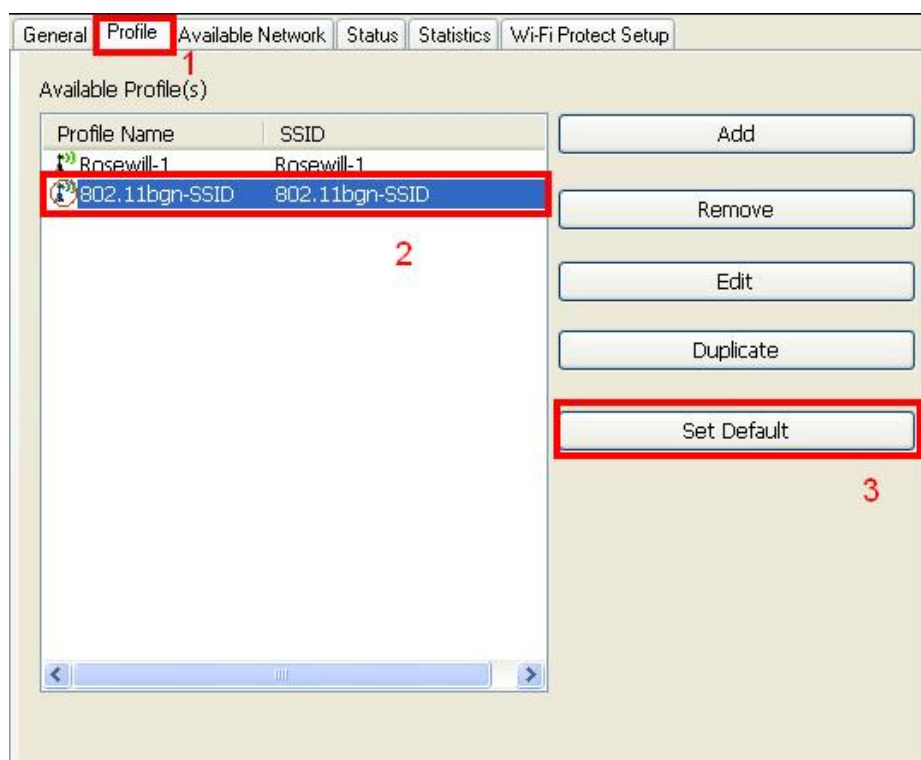
2. You will see a list of the SSID that your wireless adapter has scanned in your surrounding area. You can also “**Refresh**” to see the most updated list. Select your desired SSID (the one you want to link with).

3. Click **Add to Profile**.



After click “Add to Profile”, you will see the next window “Wireless Network Properties” popup with your current wireless signal setting. (RNX-MiniN1 will detect automatically the current encryption setting of your SSID).

So after the “Wireless Network Properties” popup, all you need to do is to enter the password of your SSID and click **OK** to continue.



When done, your wireless adapter will automatically connect to this SSID. However, Please do make sure returning to “**Profile**” and set your SSID Profile as your default.

So your utility will remember for the future to link to this SSID when computer is Power-On.

Now you have completed the setup of your wireless network. You should be ready to surf!

Thank you for purchasing a quality Rosewill Product.

Please register your product at: www.rosewill.com for complete warranty information and future support for your product.